



# Technical Bulletin

2400 Boston Street, Suite 200, Baltimore, Maryland 21224  
Phone: 410-675-2100 or 800-543-3840

Revised: January 30, 2014

## DAP<sup>®</sup> Silicone *Plus*<sup>™</sup> Premium Silicone Rubber Window & Door Sealant

- Watertight/Weatherproof Seal
- Cured Sealant is Mildew Resistant
- No Cracking or Shrinking
- Low Odor
- Superior Flexibility and Adhesion
- ASTM C 920, CLASS 25, TYPE S, GRADE NS
- Indoor/Outdoor
- Lifetime Guarantee

**Packaging:** 10.8 fluid ounce cartridges (319 ml), 2.8 fluid ounce squeeze tube (83ml)  
**Colors:** White, Black, Brown, Clear  
**UPC Number:** 0 70798 08780 4, 0 70798 08771 2, 0 70798 73350 3, 0 70798 73356 5, 0 70798 73354 1, 0 70798 73352 7, 0 70798 73358 9

### Company Identification:

Manufactured For: DAP Products Inc., 2400 Boston St., Suite 200, Baltimore, Maryland 21224  
Usage Information: DAP HELPLINE: 888-DAP-TIPS, 9:00 am to 7:00 pm EST.  
Order Information: 800-327-3339  
Fax Number: 410-534-2650  
Also, visit the DAP website at [www.dap.com](http://www.dap.com).

### Product Description:

**DAP<sup>®</sup> Silicone *Plus*<sup>™</sup> Premium Silicone Rubber Sealant** is a one-component neutral cure material that cures to a tough rubbery solid upon exposure to moisture in the air. It provides a long lasting, flexible, watertight seal and offers excellent adhesion for applications. Backed by a Lifetime Guarantee.

### Suggested Uses:

#### *Ideal for Caulking and Sealing:*

- Window and door frames
- Siding and trim
- Gutters and downspouts
- Pipes and vents
- Molding
- Baseboards
- Corner joints
- Above ground foundations

#### *Adheres to:*

- Vinyl siding
- Glass
- Window PVC
- Ceramic Tile
- ABS Plastic
- Painted surfaces
- Fiberglass
- Sealed limestone tile
- Wood

### **Surface Preparation & Application:**

1. Surface must be clean, dry and free of old caulk, dirt and debris.
2. Cut nozzle at 45° angle to desired bead size.
3. Puncture inner foil seal.
4. Load cartridge into caulking gun.
5. Fill gap with sealant, pushing sealant ahead of nozzle.
6. If necessary, smooth bead with a finishing tool.
7. At 73°F and 50% relative humidity, sealant is water resistant in 30 minutes and reaches full cure in 24 hours. Low humidity may slow cure
8. Clean up excess uncured sealant with mineral spirits. Scrape or cut away excess cured sealant. Do not use mineral spirit to clean skin.

### ***For Best Results:***

- Not recommended for filling butt joints, surface defects, tuck-pointing, stovepipes, chimneys, fireplace applications, continuous underwater use or on oily woods and some metals.
- Joint width should not exceed 1/2". If joint depth exceeds 1/2", use polyethylene foam as backup filler.
- Not recommended for structural glazing.
- Not paintable. Paint substrate surface before applying sealant.
- Store below 90°F in a dry place for optimal shelf life.
- Not recommended on surfaces that might bleed oils, plasticizers or solvents. Best adhesion and compatibility are not achieved with substrates made of methylmethacrylate, polycarbonate, polypropylene, polyethylene or polytetrafluoroethylene. Evaluate such substrates before using sealant.
- Allow 24 hours for sealant to fully cure. Sealant will not cure in totally confined spaces.

### **Typical Physical & Chemical Characteristics:**

|                                  |                                       |
|----------------------------------|---------------------------------------|
| Base:                            | Silicone                              |
| Solids:                          | > 97.0% by weight                     |
| Weight per Gallon:               | 8.7 lbs./gal.                         |
| Temperature Service Range:       | -40°F to 300°F                        |
| Temperature Application Range:   | 40°F to 120°F                         |
| Consistency:                     | Smooth Paste                          |
| Open or Tooling Time:            | 10-15 Minutes\                        |
| Tack-free time                   | < 60 minutes                          |
| Tensile strength                 | 140 – 300 psi                         |
| Elongation                       | > 200%                                |
| Cleanup:                         | Mineral Spirits (when uncured)        |
| Shelf Life:                      | 18 Months from manufacturing date     |
| Coverage 10.8 fl. oz. cartridge: | 59 linear ft. at 3/16" diameter bead  |
| 2.8 fl. oz. squeeze tube         | 15 linear feet at 3/16" diameter bead |
| 70798 08780 SDS No.:             | 000 08780 001                         |
| 70798 73350 SDS No.:             | 000 73350 605                         |
| 70798 73354 SDS No.:             | 000 73354 605                         |
| 70798 73356 SDS No.:             | 000 73356 605                         |
| 70798 08771 SDS No.:             | 000 08771 001                         |
| 70798 73352 SDS No.:             | 000 73352 605                         |
| 70798 73358 SDS No.:             | 000 73358 605                         |

**Clean Up:**

Before curing, remove excess material with a solvent-moistened towel. After product has cured, material must be cut or scraped away. Clean tools with mineral spirits. Do not use mineral spirit to clean skin.

**Safety:**

**WARNING!** VAPOR HARMFUL. MAY CAUSE ALLERGIC SKIN REACTION. Methylethylketoxime is evolved during cure. May cause eye, skin and respiratory irritation. May cause drowsiness. Repeated or prolonged exposure may cause adverse skin, blood & liver effects. Harmful if swallowed or absorbed through the skin. Do not breathe vapors. Use only with adequate ventilation. Ensure fresh air entry during application and drying. Avoid contact with eyes and skin. Wear gloves and safety glasses. Wash thoroughly after handling. **WARNING:** This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. **FIRST AID:** SKIN: Wash thoroughly. EYE: immediately flood with plenty of water. INHALATION: Remove to fresh air. INGESTION: DO NOT INDUCE VOMITING. Get medical attention if complications arise from any exposure. **For emergencies**, call your poison control center at 1-800-222-1222. See product label and Safety Data Sheet (SDS) for additional information. For an SDS, contact your supplier or visit dap.com. **KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.**

**Lifetime Guarantee:**

DAP warrants the performance of this product for sealant purposes during the lifetime of your home. If not satisfied, return used container and sales receipt to DAP Products Inc., Technical Customer Service, 2400 Boston Street, Suite 200, Baltimore, MD 21224 for product replacement or sales price refund. DAP will not be liable for incidental or consequential damages.